
APPENDIX B

Air Quality Trend Data by Pollutant:

Ozone, PM₁₀, PM_{2.5} CO, NO₂, NO_x, SO₂

Appendix B: Air Quality Trend Data by Pollutant: Ozone, PM₁₀, PM_{2.5}, CO, NO₂, NO_x, SO₂

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Introduction

This appendix contains air quality trend data for each of California's 15 air basins, organized by pollutant. The seven pollutants included are ozone, particulate matter (PM₁₀ & PM_{2.5}), carbon monoxide (CO), nitrogen dioxide (NO₂), oxides of nitrogen (NO_x), and sulfur dioxide (SO₂). The statistics are the same as those presented in Chapter 4, and the time period covered is 1985 through 2004 for ozone, CO, NO₂, NO_x, and SO₂, 1988 through 2004 for PM₁₀, and 1999 to 2004 for PM_{2.5}.

Air quality statistics can fluctuate from year-to-year because of the influence of meteorology and/or changes in emissions. However, the statistics can also vary because of a change in monitoring site. The peak and maximum value statistics listed here reflect the highest value for the statistic at any site in the area. As a result, the statistic may not reflect the same site during the entire trend period. For example, the maximum 8-hour carbon monoxide concentrations in Imperial County in the Salton Sea Air Basin are below the levels of the State and national standards from 1984 through 1993. In 1994, however, the concentrations show a significant increase, and both the State and national standards are violated. The CO concentrations in the Salton Sea Air Basin did not suddenly increase during 1994. Instead, monitoring began at a new site in Calexico, and the concentrations at the new site were higher than at the existing sites in the air basin. Information about the time periods for which air quality data are available for different pollutants at sites in California and Baja, Mexico is available on the web at www.arb.ca.gov/aqd/namslams/namslams.htm.

Since the peak and maximum air quality statistics reflect the highest values in the area, the monitoring sites represented also may not be consistent among the various statistics during a particular year. For

example, the monitoring site reflected in the maximum 1-hour ozone concentration may not be the same as the monitoring site reflected in the maximum 8-hour ozone concentration. In contrast to the peak and maximum statistics, the counts of days above a standard reflect composite, basinwide values (in other words, a count of the total number of days an exceedance occurred at any site in the air basin).

Ozone

Peak 1-Hour Indicator (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	0.094	0.100	0.099	0.100	0.099	0.100	0.099	0.115	0.110	0.108	0.097	0.099	0.096	0.095	0.090	0.090	0.104	0.105	0.091	0.090
LAKE COUNTY	0.075	0.081	0.081	0.080	0.083	0.074	0.075	0.077	0.077	0.083	0.082	0.082	0.076	0.076	0.087	0.083	0.080	0.081	0.080	0.081
LAKE TAHOE	0.081	0.082	0.085	0.089	0.091	0.091	0.093	0.089	0.079	0.082	0.084	0.084	0.083	0.082	0.081	0.089	0.090	0.093	0.091	0.089
MOJAVE DESERT	0.200	0.235	0.231	0.234	0.204	0.215	0.223	0.220	0.193	0.191	0.194	0.186	0.171	0.176	0.162	0.154	0.136	0.140	0.138	0.139
MOUNTAIN COUNTIES	0.090	0.129	0.155	0.138	0.134	0.118	0.127	0.122	0.127	0.131	0.137	0.140	0.147	0.144	0.144	0.137	0.143	0.146	0.143	0.143
NORTH CENTRAL COAST	0.113	0.109	0.146	0.136	0.131	0.115	0.114	0.115	0.111	0.107	0.106	0.111	0.112	0.113	0.103	0.104	0.100	0.104	0.104	0.103
NORTH COAST	0.073	0.074	0.083	0.062	0.058	0.066	0.063	0.085	0.088	0.089	0.090	0.088	0.091	0.103	0.109	0.105	0.093	0.083	0.082	0.082
NORTHEAST PLATEAU	0.076	0.078	0.081	0.082	0.083	0.082	0.084	0.081	0.073	0.075	0.074	0.075	0.074	0.078	0.078	0.081	0.08	0.085	0.083	0.082
SACRAMENTO VALLEY	0.173	0.173	0.168	0.171	0.166	0.162	0.153	0.158	0.159	0.148	0.149	0.154	0.141	0.161	0.155	0.153	0.138	0.135	0.137	0.134
SALTON SEA	0.204	0.197	0.185	0.182	0.180	0.181	0.175	0.168	0.159	0.154	0.163	0.155	0.156	0.153	0.147	0.149	0.152	0.142	0.135	0.131
SAN DIEGO	0.188	0.179	0.179	0.179	0.186	0.180	0.172	0.164	0.150	0.147	0.148	0.142	0.132	0.134	0.134	0.132	0.117	0.117	0.117	0.112
SAN FRANCISCO BAY AREA	0.172	0.155	0.149	0.147	0.148	0.136	0.129	0.130	0.126	0.118	0.135	0.151	0.149	0.151	0.144	0.143	0.122	0.126	0.129	0.126
SAN JOAQUIN VALLEY	0.162	0.172	0.172	0.169	0.170	0.164	0.167	0.162	0.162	0.155	0.163	0.164	0.167	0.162	0.159	0.158	0.146	0.151	0.151	0.151
SOUTH CENTRAL COAST	0.181	0.177	0.172	0.176	0.173	0.172	0.164	0.159	0.157	0.147	0.162	0.161	0.153	0.143	0.135	0.132	0.126	0.125	0.124	0.118
SOUTH COAST	0.375	0.360	0.344	0.319	0.320	0.310	0.304	0.286	0.297	0.279	0.249	0.233	0.229	0.224	0.211	0.213	0.172	0.172	0.178	0.175

Table B-1

Peak 8-Hour Indicator (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	0.088	0.095	0.094	0.092	0.092	0.093	0.091	0.097	0.093	0.092	0.086	0.087	0.085	0.087	0.085	0.085	0.091	0.091	0.084	0.083
LAKE COUNTY	0.067	0.072	0.075	0.076	0.072	0.060	0.064	0.064	0.066	0.071	0.071	0.071	0.064	0.065	0.075	0.073	0.071	0.073	0.071	0.071
LAKE TAHOE	0.072	0.074	0.078	0.080	0.081	0.081	0.082	0.081	0.068	0.074	0.075	0.076	0.073	0.075	0.074	0.078	0.079	0.08	0.081	0.079
MOJAVE DESERT	0.164	0.200	0.191	0.189	0.161	0.170	0.170	0.166	0.155	0.148	0.158	0.147	0.145	0.145	0.133	0.124	0.114	0.116	0.118	0.117
MOUNTAIN COUNTIES	0.082	0.106	0.122	0.120	0.114	0.108	0.109	0.109	0.109	0.109	0.112	0.116	0.113	0.119	0.119	0.120	0.113	0.119	0.122	0.121
NORTH CENTRAL COAST	0.090	0.088	0.115	0.109	0.105	0.092	0.092	0.093	0.093	0.087	0.087	0.094	0.094	0.096	0.09	0.089	0.085	0.088	0.089	0.089
NORTH COAST	0.056	0.061	0.070	0.053	0.050	0.061	0.059	0.068	0.072	0.072	0.074	0.074	0.079	0.087	0.092	0.089	0.078	0.069	0.068	0.067
NORTHEAST PLATEAU	0.068	0.071	0.075	0.074	0.075	0.075	0.075	0.073	0.067	0.067	0.064	0.064	0.066	0.070	0.069	0.070	0.068	0.071	0.073	0.072
SACRAMENTO VALLEY	0.131	0.133	0.129	0.129	0.128	0.126	0.122	0.124	0.125	0.116	0.120	0.124	0.117	0.125	0.124	0.118	0.112	0.113	0.111	0.113
SALTON SEA	0.154	0.153	0.148	0.141	0.142	0.139	0.139	0.133	0.131	0.127	0.125	0.122	0.120	0.122	0.114	0.112	0.110	0.118	0.119	0.116
SAN DIEGO	0.145	0.140	0.136	0.130	0.135	0.139	0.135	0.129	0.122	0.118	0.121	0.117	0.113	0.114	0.112	0.112	0.101	0.103	0.101	0.098
SAN FRANCISCO BAY AREA	0.130	0.121	0.114	0.111	0.112	0.104	0.098	0.096	0.094	0.093	0.103	0.112	0.110	0.107	0.109	0.094	0.096	0.098	0.096	0.096
SAN JOAQUIN VALLEY	0.124	0.128	0.134	0.134	0.131	0.126	0.128	0.122	0.124	0.123	0.128	0.130	0.135	0.131	0.127	0.129	0.119	0.12	0.122	0.122
SOUTH CENTRAL COAST	0.145	0.147	0.146	0.144	0.142	0.144	0.141	0.133	0.133	0.120	0.132	0.134	0.133	0.123	0.114	0.112	0.107	0.106	0.104	0.101
SOUTH COAST	0.252	0.251	0.243	0.230	0.213	0.212	0.210	0.200	0.200	0.192	0.186	0.175	0.168	0.182	0.179	0.178	0.144	0.144	0.146	0.144

Table B-2

Ozone**4th Highest 1-Hour Concentration in 3 Years (ppm)**

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
GREAT BASIN VALLEYS	0.090	0.100	0.100	0.100	0.100	0.100	0.090	0.120	0.120	0.120	0.100	0.100	0.091	0.090	0.089	0.090	0.090	0.097	0.097	0.092	0.088
LAKE COUNTY	0.070	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
LAKE TAHOE	0.080	0.080	0.090	0.090	0.090	0.090	0.090	0.090	0.070	0.081	0.086	0.083	0.083	0.081	0.081	0.086	0.087	0.089	0.088	0.088	0.088
MOJAVE DESERT	0.220	0.230	0.230	0.230	0.210	0.220	0.230	0.230	0.200	0.190	0.188	0.182	0.175	0.167	0.166	0.164	0.135	0.143	0.138	0.138	0.138
MOUNTAIN COUNTIES	0.080	0.116	0.140	0.140	0.140	0.110	0.120	0.120	0.124	0.124	0.129	0.130	0.143	0.144	0.143	0.128	0.143	0.143	0.143	0.142	0.142
NORTH CENTRAL COAST	0.100	0.100	0.134	0.134	0.139	0.120	0.110	0.110	0.110	0.110	0.104	0.114	0.114	0.114	0.109	0.107	0.100	0.104	0.106	0.104	0.104
NORTH COAST	0.070	0.070	0.080	0.080	0.059	0.060	0.060	0.080	0.090	0.090	0.090	0.090	0.090	0.110	0.110	0.110	0.100	0.083	0.083	0.083	0.083
NORTHEAST PLATEAU	0.070	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.070	0.070	0.070	0.070	0.070	0.075	0.075	0.078	0.078	0.081	0.079	0.079	0.079
SACRAMENTO VALLEY	0.180	0.180	0.160	0.160	0.160	0.160	0.150	0.150	0.150	0.143	0.145	0.145	0.133	0.148	0.148	0.148	0.133	0.132	0.138	0.138	0.138
SALTON SEA	0.190	0.190	0.180	0.180	0.180	0.180	0.180	0.170	0.170	0.152	0.180	0.180	0.160	0.155	0.143	0.157	0.166	0.147	0.142	0.131	0.131
SAN DIEGO	0.210	0.190	0.180	0.180	0.190	0.190	0.170	0.170	0.154	0.150	0.146	0.141	0.138	0.135	0.135	0.131	0.118	0.118	0.118	0.118	0.115
SAN FRANCISCO BAY AREA	0.160	0.150	0.140	0.140	0.140	0.130	0.130	0.120	0.120	0.121	0.138	0.138	0.138	0.139	0.139	0.126	0.124	0.123	0.123	0.123	0.123
SAN JOAQUIN VALLEY	0.160	0.170	0.170	0.170	0.170	0.160	0.160	0.160	0.160	0.165	0.165	0.164	0.161	0.161	0.161	0.146	0.151	0.151	0.151	0.151	0.151
SOUTH CENTRAL COAST	0.190	0.180	0.180	0.180	0.170	0.170	0.150	0.150	0.146	0.157	0.158	0.152	0.144	0.134	0.132	0.128	0.124	0.124	0.124	0.118	0.118
SOUTH COAST	0.360	0.350	0.350	0.340	0.330	0.330	0.310	0.300	0.300	0.280	0.250	0.231	0.215	0.217	0.211	0.211	0.170	0.169	0.180	0.171	0.171

Table B-3

Average of 4th Highest 8-Hour Concentration in 3 Years (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
GREAT BASIN VALLEYS	0.079	0.082	0.084	0.086	0.081	0.081	0.076	0.081	0.078	0.082	0.079	0.079	0.077	0.079	0.079	0.080	0.083	0.081	0.081	0.080	0.080
LAKE COUNTY	0.059	0.064	0.065	0.065	0.058	0.054	0.055	0.055	0.057	0.059	0.061	0.060	0.058	0.057	0.061	0.062	0.063	0.064	0.064	0.065	0.065
LAKE TAHOE	0.068	0.069	0.071	0.074	0.076	0.075	0.076	0.075	0.056	0.061	0.070	0.071	0.068	0.069	0.069	0.074	0.075	0.075	0.076	0.075	0.075
MOJAVE DESERT	0.150	0.168	0.163	0.165	0.153	0.151	0.151	0.147	0.139	0.138	0.137	0.131	0.124	0.127	0.118	0.110	0.102	0.106	0.106	0.107	0.107
MOUNTAIN COUNTIES	0.073	0.093	0.108	0.103	0.094	0.092	0.098	0.098	0.096	0.099	0.099	0.103	0.099	0.103	0.103	0.107	0.104	0.106	0.107	0.102	0.102
NORTH CENTRAL COAST	0.081	0.078	0.103	0.095	0.090	0.084	0.083	0.084	0.083	0.081	0.081	0.085	0.084	0.086	0.082	0.082	0.079	0.081	0.081	0.081	0.081
NORTH COAST	0.050	0.052	0.056	0.066	0.042	0.053	0.051	0.063	0.065	0.066	0.069	0.069	0.072	0.077	0.082	0.076	0.069	0.063	0.062	0.061	0.061
NORTHEAST PLATEAU	0.061	0.064	0.069	0.069	0.069	0.067	0.059	0.057	0.051	0.058	0.057	0.059	0.058	0.061	0.062	0.063	0.053	0.055	0.057	0.065	0.065
SACRAMENTO VALLEY	0.118	0.118	0.114	0.114	0.114	0.107	0.105	0.105	0.110	0.104	0.106	0.106	0.097	0.097	0.101	0.105	0.101	0.101	0.100	0.097	0.097
SALTON SEA	0.134	0.135	0.131	0.130	0.129	0.126	0.125	0.121	0.118	0.113	0.110	0.111	0.107	0.107	0.100	0.099	0.100	0.105	0.108	0.104	0.104
SAN DIEGO	0.132	0.125	0.124	0.121	0.125	0.129	0.125	0.118	0.112	0.109	0.108	0.104	0.099	0.102	0.099	0.100	0.094	0.095	0.093	0.089	0.089
SAN FRANCISCO BAY AREA	0.103	0.097	0.092	0.092	0.097	0.088	0.084	0.082	0.081	0.082	0.087	0.093	0.090	0.089	0.086	0.087	0.082	0.082	0.086	0.084	0.084
SAN JOAQUIN VALLEY	0.111	0.117	0.118	0.121	0.120	0.119	0.118	0.115	0.112	0.111	0.119	0.119	0.115	0.115	0.113	0.111	0.109	0.115	0.115	0.116	0.116
SOUTH CENTRAL COAST	0.132	0.131	0.129	0.131	0.132	0.130	0.127	0.118	0.115	0.112	0.117	0.119	0.115	0.112	0.106	0.105	0.101	0.097	0.095	0.094	0.094
SOUTH COAST	0.226	0.222	0.217	0.205	0.192	0.186	0.182	0.180	0.177	0.171	0.165	0.161	0.148	0.154	0.147	0.146	0.129	0.131	0.127	0.127	0.127

Table B-4

Ozone

Maximum 1-Hour Concentration (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	0.100	0.100	0.100	0.100	0.080	0.100	0.090	0.150	0.090	0.120	0.110	0.095	0.092	0.092	0.094	0.090	0.100	0.100	0.089	0.086
LAKE COUNTY	0.080	0.080	0.090	0.070	0.060	0.090	0.080	0.080	0.080	0.090	0.070	0.090	0.080	0.080	0.090	0.080	0.070	0.090	0.080	0.080
LAKE TAHOE	0.100	0.090	0.090	0.090	0.100	0.090	0.090	0.100	0.090	0.086	0.092	0.083	0.095	0.081	0.095	0.089	0.095	0.102	0.086	0.096
MOJAVE DESERT	0.210	0.260	0.220	0.270	0.220	0.270	0.240	0.230	0.200	0.188	0.240	0.175	0.187	0.202	0.137	0.163	0.146	0.157	0.163	0.138
MOUNTAIN COUNTIES	0.090	0.145	0.160	0.130	0.150	0.110	0.130	0.120	0.130	0.146	0.138	0.145	0.163	0.165	0.134	0.148	0.156	0.145	0.137	0.137
NORTH CENTRAL COAST	0.110	0.100	0.146	0.127	0.140	0.120	0.140	0.110	0.110	0.101	0.138	0.120	0.112	0.124	0.107	0.098	0.108	0.115	0.111	0.093
NORTH COAST	0.070	0.070	0.090	0.090	0.050	0.070	0.060	0.090	0.090	0.100	0.100	0.080	0.100	0.130	0.100	0.090	0.090	0.092	0.090	0.090
NORTHEAST PLATEAU	0.080	0.080	0.090	0.080	0.080	0.080	0.050	0.080	0.070	0.080	0.070	0.070	0.082	0.078	0.070	0.082	0.049	0.087	0.089	0.077
SACRAMENTO VALLEY	0.200	0.170	0.180	0.180	0.170	0.150	0.190	0.170	0.150	0.145	0.156	0.157	0.143	0.160	0.160	0.138	0.142	0.139	0.140	0.131
SALTON SEA	0.240	0.180	0.170	0.200	0.190	0.170	0.180	0.170	0.210	0.180	0.232	0.180	0.160	0.236	0.171	0.169	0.167	0.156	0.144	0.125
SAN DIEGO	0.220	0.190	0.290	0.250	0.250	0.200	0.210	0.170	0.187	0.147	0.162	0.138	0.136	0.164	0.124	0.124	0.141	0.121	0.125	0.129
SAN FRANCISCO BAY AREA	0.160	0.140	0.170	0.150	0.140	0.130	0.140	0.130	0.130	0.130	0.155	0.138	0.114	0.147	0.156	0.152	0.134	0.160	0.128	0.113
SAN JOAQUIN VALLEY	0.160	0.180	0.200	0.190	0.180	0.170	0.180	0.160	0.160	0.175	0.173	0.165	0.147	0.169	0.155	0.165	0.149	0.164	0.156	0.155
SOUTH CENTRAL COAST	0.230	0.180	0.185	0.180	0.230	0.170	0.170	0.150	0.146	0.164	0.169	0.158	0.137	0.174	0.135	0.128	0.129	0.132	0.130	0.122
SOUTH COAST	0.390	0.350	0.330	0.350	0.340	0.330	0.320	0.300	0.280	0.300	0.256	0.239	0.205	0.244	0.174	0.184	0.190	0.169	0.194	0.163

Table B-5

Maximum 8-Hour Concentration (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	0.090	0.093	0.091	0.098	0.077	0.091	0.073	0.103	0.077	0.092	0.101	0.090	0.080	0.085	0.089	0.080	0.095	0.088	0.084	0.081
LAKE COUNTY	0.070	0.080	0.080	0.061	0.053	0.063	0.066	0.057	0.072	0.075	0.063	0.070	0.065	0.076	0.072	0.073	0.065	0.077	0.065	0.066
LAKE TAHOE	0.086	0.080	0.082	0.085	0.085	0.080	0.081	0.082	0.071	0.079	0.089	0.073	0.071	0.077	0.079	0.077	0.084	0.079	0.079	0.082
MOJAVE DESERT	0.167	0.225	0.161	0.167	0.161	0.198	0.173	0.165	0.147	0.155	0.170	0.146	0.133	0.144	0.122	0.132	0.117	0.123	0.130	0.119
MOUNTAIN COUNTIES	0.078	0.111	0.138	0.110	0.115	0.102	0.112	0.111	0.108	0.113	0.113	0.112	0.127	0.118	0.113	0.109	0.137	0.122	0.124	0.124
NORTH CENTRAL COAST	0.091	0.083	0.113	0.096	0.100	0.095	0.108	0.090	0.087	0.092	0.102	0.101	0.091	0.097	0.085	0.084	0.088	0.094	0.088	0.083
NORTH COAST	0.056	0.062	0.076	0.076	0.042	0.060	0.051	0.072	0.073	0.080	0.090	0.071	0.091	0.106	0.087	0.077	0.073	0.072	0.080	0.077
NORTHEAST PLATEAU	0.075	0.070	0.081	0.071	0.076	0.076	0.046	0.073	0.070	0.068	0.062	0.063	0.074	0.071	0.067	0.071	0.038	0.075	0.074	0.071
SACRAMENTO VALLEY	0.161	0.125	0.127	0.130	0.133	0.127	0.140	0.122	0.120	0.121	0.128	0.126	0.107	0.137	0.129	0.108	0.108	0.120	0.118	0.101
SALTON SEA	0.160	0.142	0.141	0.137	0.160	0.130	0.148	0.128	0.128	0.130	0.132	0.125	0.120	0.136	0.110	0.113	0.113	0.124	0.110	0.106
SAN DIEGO	0.168	0.143	0.196	0.156	0.193	0.145	0.145	0.133	0.154	0.121	0.122	0.117	0.112	0.141	0.100	0.106	0.116	0.100	0.103	0.095
SAN FRANCISCO BAY AREA	0.127	0.106	0.116	0.101	0.102	0.105	0.108	0.101	0.112	0.097	0.115	0.112	0.084	0.111	0.122	0.114	0.102	0.106	0.101	0.084
SAN JOAQUIN VALLEY	0.131	0.135	0.150	0.127	0.136	0.123	0.130	0.121	0.125	0.129	0.134	0.137	0.127	0.136	0.123	0.131	0.120	0.132	0.127	0.126
SOUTH CENTRAL COAST	0.156	0.145	0.153	0.142	0.176	0.143	0.140	0.125	0.129	0.132	0.144	0.127	0.114	0.151	0.112	0.108	0.113	0.109	0.114	0.102
SOUTH COAST	0.288	0.251	0.210	0.258	0.252	0.193	0.203	0.218	0.195	0.208	0.203	0.173	0.148	0.206	0.142	0.144	0.144	0.153	0.145	0.145

Table B-6

Ozone**Days Above State Standard**

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	1	5	4	3	0	2	0	5	0	4	2	1	0	0	0	0	4	2	0	0
LAKE COUNTY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKE TAHOE	1	0	0	0	2	0	0	1	0	0	0	0	1	0	1	0	1	1	0	1
MOJAVE DESERT	147	156	158	152	158	136	135	150	135	137	119	108	101	77	83	86	72	75	93	75
MOUNTAIN COUNTIES	0	27	51	39	22	23	54	35	57	49	65	29	52	66	51	50	62	56	33	
NORTH CENTRAL COAST	12	1	37	14	10	11	12	9	12	6	8	16	1	10	3	3	3	8	3	0
NORTH COAST	0	0	0	0	0	0	0	0	0	1	1	0	2	7	4	0	0	0	0	0
NORTHEAST PLATEAU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SACRAMENTO VALLEY	59	66	94	98	68	50	68	74	34	60	50	58	25	62	59	41	44	46	51	29
SALTON SEA	96	80	85	107	119	83	86	100	113	126	124	98	91	72	88	54	81	68	66	48
SAN DIEGO	148	131	127	160	159	139	106	97	90	79	96	51	43	54	27	24	29	15	24	12
SAN FRANCISCO BAY AREA	45	39	46	41	22	14	23	23	19	13	28	34	8	29	20	12	15	16	19	7
SAN JOAQUIN VALLEY	149	147	156	156	148	131	133	127	125	118	124	120	110	90	123	114	123	127	137	106
SOUTH CENTRAL COAST	137	150	126	138	117	105	112	75	63	90	95	82	59	54	33	38	34	24	45	23
SOUTH COAST	207	217	196	216	211	185	184	190	185	165	153	141	144	107	111	115	121	116	125	105

Table B-7

Ozone

Days Above National 1-Hour Standard

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	
LAKE COUNTY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LAKE TAHOE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MOJAVE DESERT	93	105	82	108	93	76	70	77	69	77	60	39	22	26	4	11	6	16	13	4
MOUNTAIN COUNTIES	0	3	7	2	2	0	1	0	2	3	7	2	8	7	4	1	8	6	2	
NORTH CENTRAL COAST	0	0	5	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	
NORTH COAST	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
NORTHEAST PLATEAU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SACRAMENTO VALLEY	19	24	24	35	8	16	14	14	7	9	11	9	3	14	7	5	2	7	5	1
SALTON SEA	29	31	40	35	38	27	27	31	36	20	33	21	13	13	25	5	15	5	7	1
SAN DIEGO	50	42	40	45	56	39	27	19	14	9	12	2	1	9	0	0	2	0	1	1
SAN FRANCISCO BAY AREA	9	5	14	5	4	2	2	2	3	2	11	8	0	8	3	3	1	2	1	0
SAN JOAQUIN VALLEY	53	59	65	74	54	45	51	29	43	43	44	56	16	39	28	30	32	31	37	9
SOUTH CENTRAL COAST	44	60	31	56	48	20	35	12	14	17	25	19	3	6	2	2	2	1	2	0
SOUTH COAST	158	167	161	178	157	131	130	142	124	118	98	85	64	60	39	33	36	45	64	28

Table B-8

Days Above National 8-Hour Standard

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	2	13	2	6	0	3	0	9	0	6	2	1	0	1	1	0	4	2	0	0
LAKE COUNTY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKE TAHOE	1	0	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MOJAVE DESERT	129	146	144	142	137	120	122	134	124	129	109	91	78	68	73	72	65	66	74	49
MOUNTAIN COUNTIES	0	22	43	38	22	33	47	34	49	47	59	28	54	65	56	44	59	56	32	
NORTH CENTRAL COAST	5	0	26	6	3	5	3	4	4	1	3	9	1	6	1	0	2	5	2	0
NORTH COAST	0	0	0	0	0	0	0	0	0	0	1	0	1	5	2	0	0	0	0	0
NORTHEAST PLATEAU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SACRAMENTO VALLEY	42	50	73	68	37	44	60	56	22	48	40	44	15	60	43	35	37	34	40	20
SALTON SEA	70	62	72	70	90	56	65	75	80	75	79	62	63	40	35	33	54	55	47	37
SAN DIEGO	109	81	99	119	122	96	67	66	58	46	48	31	16	35	17	16	17	13	6	8
SAN FRANCISCO BAY AREA	17	13	29	20	13	7	6	6	5	4	18	14	0	16	9	4	7	7	7	0
SAN JOAQUIN VALLEY	127	134	148	140	133	104	121	119	103	108	109	114	95	84	117	103	109	125	134	109
SOUTH CENTRAL COAST	111	122	91	113	97	76	94	63	53	65	70	68	46	41	24	30	25	16	35	18
SOUTH COAST	181	191	179	194	181	161	160	173	161	148	120	115	118	93	93	94	92	96	109	88

Table B-9

PM₁₀**Maximum 24-Hour Concentration (State) (ug/m³)**

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS				166	227	866	150	493	981	388	692	309	402	1022	2708	9967	3643	7401	15641	4797
LAKE COUNTY				23	29	30	31	22	30	21	30	26	18	34	40	21	23	85	32	22
LAKE TAHOE								52	92	78	71	72	55	50	36	44	50	46	52	112
MOJAVE DESERT				63	191	462	780	80	79	140	143	138	130	159	40	90	112	194	169	83
MOUNTAIN COUNTIES				113	144	209	350	120	130	115	118	114	138	69	115	89	277	72	58	124
NORTH CENTRAL COAST				65	58	56	55	41	102	106	152	115	113	78	106	77	74	81	90	83
NORTH COAST				101	92	266	78	58	54	77	68	87	66	52	95	53	72	72	71	64
NORTHEAST PLATEAU				58	59	63	60	74	60	101	78	188	97	63	93	74	91	73	31	29
SACRAMENTO VALLEY				100	147	153	136	111	113	154	145	98	126	130	179	90	112	96	123	171
SALTON SEA*				368	712	520	340	175	175	258	229	359	532	181	238	279	634	361	848	364
SAN DIEGO				80	90	115	81	67	159	129	121	93	125	57	119	136	106	131	289	138
SAN FRANCISCO BAY AREA				146	147	165	155	112	93	97	74	76	85	100	117	80	114	84	60	65
SAN JOAQUIN VALLEY				206	237	439	279	186	239	192	279	153	199	167	186	153	221	194	150	219
SOUTH CENTRAL COAST				132	119	133	96	135	141	139	129	93	321	111	86	102	77	100	169	69
SOUTH COAST				287	271	475	179	649	231	161	219	162	208	116	183	139	219	126	159	133

Table B-10

* Salton Sea PM₁₀ statistics exclude data from the Calexico - East site because data from this site do not represent widespread exposure.

Maximum 24-Hour Concentration (National) (ug/m³)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS				394	1861	866	181	526	981	388	2668	491	402	1116	867	10466	4482	6505	16462	4913
LAKE COUNTY				28	29	30	31	22	30	21	30	26	18	35	43	22	21			
LAKE TAHOE				95	73	84	78	85	92	78	71	72	55	59	41	50	58	51	61	130
MOJAVE DESERT				150	191	462	780	242	79	140	235	138	130	165	109	90	115	208	181	88
MOUNTAIN COUNTIES				180	144	209	350	120	130	115	118	114	138	92	125	98	312	76	66	133
NORTH CENTRAL COAST				71	58	57	55	45	102	106	152	115	113	76	103	74	72	77	87	80
NORTH COAST				125	92	266	78	58	54	77	68	87	66	50	100	51	73	74	68	61
NORTHEAST PLATEAU				92	59	63	60	74	60	101	78	188	97	66	100	80	105	86	33	32
SACRAMENTO VALLEY				115	139	153	136	111	110	154	145	98	126	130	179	86	105	92	81	169
SALTON SEA*				368	712	520	340	175	175	258	229	359	532	176	227	268	647	373	840	354
SAN DIEGO				81	90	115	81	67	159	129	121	93	125	89	121	139	107	130	280	137
SAN FRANCISCO BAY AREA				146	150	173	155	112	101	97	74	76	95	92	114	76	109	80	58	63
SAN JOAQUIN VALLEY				244	250	439	279	183	239	190	279	153	199	160	183	145	205	189	150	217
SOUTH CENTRAL COAST				132	119	133	119	135	141	139	129	98	321	110	90	113	89	178	149	146
SOUTH COAST				289	271	475	179	649	231	161	219	162	208	116	183	139	219	130	164	137

Table B-11

* Salton Sea PM₁₀ statistics exclude data from the Calexico - East site because data from this site do not represent widespread exposure.

PM₁₀

Maximum Annual Average (State) (ug/m³)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS					27.1	29.4	23.2	37.0	34.2	29.8	32.3	21.5	26.4	57.8	13.6	116.8	63.1	159.3	130.4	68.3
LAKE COUNTY					12.9			11.9	11.3	11.0	10.8	10.2	8.6			10.6	10.2	13.1	10.0	10.0
LAKE TAHOE										27.1	22.5		21.6	19.8	16.9	17.3	16.9	17.1	15.0	37.5
MOJAVE DESERT					42.5			39.7	35.1	27.9		29.0	27.4	15.0	17.7	20.3	19.8	24.2	27.9	18.3
MOUNTAIN COUNTIES						48.4			18.4	33.9	24.2	21.5	28.3	18.5	17.7	19.9	29.6	25.9	21.0	26.3
NORTH CENTRAL COAST					24.3	23.8	24.3		21.7	31.1	36.3	32.8	36.9		32.3	31.2		28.9	31.6	28.2
NORTH COAST					31.4	28.0	25.4	21.9	23.2	24.3	26	24.4	23.4	22.1	24.3	23.5	25.4	22.9	22.2	20.6
NORTHEAST PLATEAU					24.8			23.6		22.1	16.0				16.8			17.5	12.8	12.8
SACRAMENTO VALLEY					41.9	38.5	39.2	35.2	31.2	33.3	29.9	29.9	28.8	29.9	39.4	27.9	30.5	31.8	28.8	43.2
SALTON SEA*					77.9	80.3	69.1	47.5	52.6	48.3	72.0	73.6	77.7	66.6	79.0	84.8	87.1	80.9	79.7	60.3
SAN DIEGO					44.4	32.8	40.7	29.0	45.8	50.7	47.1	30.2	46.6	26.5	50.9	44.5	47.4	52.4	52.6	51.7
SAN FRANCISCO BAY AREA					37.7	35.1	37.9	33.9	28.8	28.3	25.7	24.8	25.8	25.8	30.0	27.8	29.7	26.4	24.8	26.0
SAN JOAQUIN VALLEY					52.7	67.0	80.1	70.0	62.4	56.3	49.6	57.9	54.1	47.3	40.5	60.1	53.9	52.3	59.9	52.3
SOUTH CENTRAL COAST					40.3	41.6	36.9	40.0	33.0	29.3	31.6	30.9	29.3	36.5	26.1	29.5	31.2	28.8	28.6	30.0
SOUTH COAST					94.0	78.2	76.0	79.0	72.5	65.5	68.8	61.5	65.3	50.2	72.2	60.1	62.9	56.2	55.1	53.5

Table B-12

* Salton Sea PM₁₀ statistics exclude data from the Calexico - East site because data from this site do not represent widespread exposure.

Maximum Annual Average of Quarters (National) (ug/m³)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
GREAT BASIN VALLEYS					36.9	34.6	39.6	23.2	37.3	34.6	29.9	31.8	21.5	26.5	53.8	15.3	121.2	69.6	79.5	38.8	25.4
LAKE COUNTY					12.9		12.6	11.8	11.3	10.9	10.7	10.2	8.6	7.8			10.8				
LAKE TAHOE					28.1	30.7	28.3			27.1	22.5	23.4	21.6	23.4	19.9	20.4	19.8	19.9	17.6	44.2	
MOJAVE DESERT					35.8	48.6	48.1	58.0	39.4	34.9	42.1	25.5	29.0	29.2	27.8	32.1	33.6	29.8	34.3	33.2	33.1
MOUNTAIN COUNTIES						40.9	47.8	37.5	18.4	34.6	28.0	21.8	32	25.3	27.6	26.3	33.3	28.5	23.1	28.0	
NORTH CENTRAL COAST					23.0	25.4	23.9	24.3		21.7	31.1	36.4	32.8	37	28.5	30.9	29.9	29.4	27.7	30.1	27.3
NORTH COAST					36.2	31.4	28.0	25.3	21.8	22.6	24.3	26.1	24.6	23.4	21.1	24.3	22.4	24.1	22.2	21.4	20.7
NORTHEAST PLATEAU					25.0	24.8	23.5		23.6		22.1	30.3	13.6	12.9	11.1	26.3	22.5	19.8	18.6	13.3	13.6
SACRAMENTO VALLEY					42.8	41.9	41.7	42.3	34.7	31.8	34.5	30.1	29.8	28.6	29.0	38.4	27.9	30.2	30.9	28.4	42.6
SALTON SEA*					60.4	89.9	80.3	69.3	47.5	53.3	48.3	71.9	73.6	77.7	66.1	77.8	95.2	86.2	79.9	80.0	60.8
SAN DIEGO					40.0	43.8	37.6	40.6	35.9	45.9	50.7	46.8	30.0	46.6	42.5	52.2	45.2	49.1	54.9	52.1	51.2
SAN FRANCISCO BAY AREA					38.3	40.8	40.4	38.3	33.7	28.8	28.3	25.7	24.9	25.8	25.1	28.7	26.8	28.9	25.4	24.2	25.3
SAN JOAQUIN VALLEY					67.4	79.3	79.3	69.9	62.9	56.3	50.1	58.2	54.1	48.2	39.9	59.5	53.1	57.4	59.2	52.4	44.6
SOUTH CENTRAL COAST					41.6	41.5	36.6	39.9	33.2	42.8	32.5	31.1	29.3	37.0	25.0	31.3	31.0	31.5	28.9	30.7	31.4
SOUTH COAST					94.5	93.0	78.2	76.1	79.0	72.5	65.5	68.8	62.8	65.6	50.2	72.2	59.1	63.3	58.1	55.6	54.8

Table B-13

* Salton Sea PM₁₀ statistics exclude data from the Calexico - East site because data from this site do not represent widespread exposure.

PM₁₀**Calculated Days Above State 24-Hour Standard**

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS				195	170	116.2	100.7	132	128	105	117	120	90	117	24.4	113.2	90.2	108.4	71.2	97.2
LAKE COUNTY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKE TAHOE				57	26	55	36	36	30	42	18	24	12	12	0	0	18	3	6	96
MOJAVE DESERT				204	230	241	186	153	131	132	60	87	36	43	72	63	54	84	69	72
MOUNTAIN COUNTIES				159	116	154.5	132	102	113	93	42	42	128	63	60	57	60	36	12	72
NORTH CENTRAL COAST				24	18	18	12	0	59	30	72	72	96	30	54	24	51	30	42	42
NORTH COAST				126	71	40	38	15	14.5	48	18	23	20	0	54	9	42	24	30	6
NORTHEAST PLATEAU				21	26	25	12	24	6	24	54	18	18	24	66	60	36	36	0	0
SACRAMENTO VALLEY				183	134	175	189	177	92	108	108	129	65	97	144	81	102	126	66	195
SALTON SEA*				252	294	286	294	186	239	274	306	312	320	265	324	330	341	328	315	318
SAN DIEGO				105	146	60	90	42	143.5	131	117	96	125	108	140	144	146	186	147	186
SAN FRANCISCO BAY AREA				123	137	93	125	108	59	54	42	18	20	25	63	42	51	30	30	36
SAN JOAQUIN VALLEY				300	302	313	285	273	233	253	246	225	188	185	216	237	236	267	242	196.5
SOUTH CENTRAL COAST				198	212	151	204	138	174	81	108	138	144	88	108	135	72	156	90	72
SOUTH COAST				345	338	301	294	282	293	276	252	276	290	238	288	300	278	297	252	279

Table B-14

* Salton Sea PM₁₀ statistics exclude data from the Calexico - East site because data from this site do not represent widespread exposure.**Calculated Days Above National 24-Hour Standard**

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS				12	12	14	8	30	22	9	16	27	15	32	6	37	17	18	28	26
LAKE COUNTY				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKE TAHOE				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOJAVE DESERT				0	8	21	30	6	0	0	3	0	0	6	0	0	0	6	8	0
MOUNTAIN COUNTIES				7	0	6	19	0	0	0	0	0	0	0	0	0	6	0	0	0
NORTH CENTRAL COAST				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH COAST				0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHEAST PLATEAU				0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
SACRAMENTO VALLEY				0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
SALTON SEA*				12	37	21	18	6	18	18	26	37	35	19	29	36	29	18	28	13
SAN DIEGO				0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	9	0
SAN FRANCISCO BAY AREA				0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN JOAQUIN VALLEY				40	40	56	40	3	11	8	8	0	3	6	12	0	12	8	0	3
SOUTH CENTRAL COAST				0	0	0	0	0	0	0	0	0	14	0	0	0	0	6	0	0
SOUTH COAST				44	32	33	15	24	12	3	31	6	17	0	6	0	5	0	6	0

Table B-15

* Salton Sea PM₁₀ statistics exclude data from the Calexico - East site because data from this site do not represent widespread exposure.

PM_{2.5}

Maximum 24-Hour Concentration (State) (ug/m³)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS															40.7	68.0	76.0	68.0	44.0	81.0
LAKE COUNTY															14.5	10.0	15.1	74.7	21.9	18.1
LAKE TAHOE															21.0	23.0	31.0	27.0	27.4	23.2
MOJAVE DESERT															47.6	38.6	35.0	38.0	28.0	34.0
MOUNTAIN COUNTIES															92.0	48.0	120.0	41.0	54.0	148.4
NORTH CENTRAL COAST															31.3	26.4	25.6	23.5	15.9	22.6
NORTH COAST															36.9	24.0	38.3	59.7	36.1	25.6
NORTHEAST PLATEAU															40.0	38.0	35.0	5.0	10.0	
SACRAMENTO VALLEY														96.0	108.0	123.1	128.2	96.1	73.2	76.3
SALTON SEA															52.5	84.2	60.2	142.7	153.6	76.0
SAN DIEGO															64.3	66.3	60.0	53.6	239.2	67.3
SAN FRANCISCO BAY AREA															90.5	67.2	107.5	84.5	56.1	73.7
SAN JOAQUIN VALLEY															136.0	160.0	154.7	104.3	84.5	77.0
SOUTH CENTRAL COAST															64.6	55.3	57.7	46.4	116.0	91.9
SOUTH COAST															121.4	119.6	104.0	82.1	121.2	93.8

Table B-16

Maximum 24-Hour Concentration (National) (ug/m³)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS															40.7	68.0	76.0	68.0	44.0	81.0
LAKE COUNTY															14.5	10.0	15.1	74.7	21.9	18.1
LAKE TAHOE															21.0	23.0	31.0	27.0	21.0	20.0
MOJAVE DESERT															47.6	38.6	35.0	38.0	28.0	34.0
MOUNTAIN COUNTIES															92.0	48.0	120.0	41.0	43.0	44.0
NORTH CENTRAL COAST															31.3	26.4	25.6	23.5	15.9	22.6
NORTH COAST															36.9	24.0	38.3	59.7	36.1	25.6
NORTHEAST PLATEAU															40.0	38.0	35.0	5.0	10.0	
SACRAMENTO VALLEY														96.0	108.0	98.0	78.0	91.0	65.0	65.0
SALTON SEA															52.5	84.2	60.2	46.5	65.1	74.2
SAN DIEGO															64.3	66.3	60.0	53.6	239.2	67.3
SAN FRANCISCO BAY AREA															90.5	67.2	107.5	76.7	56.1	73.7
SAN JOAQUIN VALLEY															136.0	160.0	154.7	90.7	67.8	71.0
SOUTH CENTRAL COAST															64.6	55.3	57.7	46.4	116.0	41.2
SOUTH COAST															121.4	119.6	98.0	82.1	121.2	93.8

Table B-17

PM_{2.5}**98th Percentile 24-Hour Concentration (ug/m³)**

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS															67.0	23.0	64.0	8.0		
LAKE COUNTY															9.4	11.3	46.3	15.1	9.0	
LAKE TAHOE															21.0	22.0	26.0		19.0	
MOJAVE DESERT															23.5	23.0	21.0	34.0	23.0	20.0
MOUNTAIN COUNTIES															84.0	30.0	43.0	30.0	40.0	33.0
NORTH CENTRAL COAST															25.0	21.5	23.1	22.8	14.0	15.5
NORTH COAST															27.7	21.5	29.0	39.7	15.2	23.1
NORTHEAST PLATEAU															27.0	37.0				
SACRAMENTO VALLEY														96.0	84.0	81.0	78.0	77.0	43.0	54.0
SALTON SEA															39.5	56.0	33.0	44.1	24.9	31.9
SAN DIEGO															35.7	32.5	40.8	36.0	46.9	37.4
SAN FRANCISCO BAY AREA															55.3	56.0	57.5	37.4	39.8	
SAN JOAQUIN VALLEY															120.0	108.0	96.0	80.4	56.0	54.0
SOUTH CENTRAL COAST															35.4	41.0	50.7	35.2	33.4	36.7
SOUTH COAST															85.6	83.0	74.3	66.3	76.6	72.4

Table B-18

PM_{2.5}

Average of Quarterly Means (State) (ug/m³)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS																5.5				
LAKE COUNTY																4.1	6.3	4.4	4.4	
LAKE TAHOE																8.3	7.8	8.2	7.2	
MOJAVE DESERT																11.2	11.5	13.9	9.4	10.8
MOUNTAIN COUNTIES																11.1	9.0	8.1	9.9	8.6
NORTH CENTRAL COAST																7.9	9.1	9.1	7.3	6.8
NORTH COAST																9.1	9.4	9.1	7.4	7.0
NORTHEAST PLATEAU																8.5				
SACRAMENTO VALLEY																17.5	15.8	11.9	15.1	15.9
SALTON SEA																11.2		15.1	11.4	16.1
SAN DIEGO																		15.5	14.4	14.1
SAN FRANCISCO BAY AREA																11.6	12.5	13.8	11.7	11.6
SAN JOAQUIN VALLEY																23.4	23.9	20.8	24.1	24.8
SOUTH CENTRAL COAST																9.6	14.9	9.5	12.4	12.5
SOUTH COAST																24.0	25.0	25.8	24.8	16.6

Table B-19

Average of Quarterly Means (National) (ug/m³)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
GREAT BASIN VALLEYS																5.5	8.4				
LAKE COUNTY																4.3	4.2	6.3	4.4	4.4	
LAKE TAHOE																8.3	7.8	8.2	7.2		
MOJAVE DESERT																11.9	12	11.5	13.9	11.4	
MOUNTAIN COUNTIES																11.1	9.0	15.6	9.9	13.3	
NORTH CENTRAL COAST																9.8	7.9	9.1	9.1	7.4	
NORTH COAST																9.1	9.1	9.4	9.1	7.4	
NORTHEAST PLATEAU																7.9	8.5				
SACRAMENTO VALLEY																17.5	15.8	13.0	15.1	12.2	
SALTON SEA																15.2	16.9	12.2	15.1	11.4	
SAN DIEGO																18.0	15.8	17.7	16.0	15.5	
SAN FRANCISCO BAY AREA																	13.6	12.5	13.8	11.7	11.6
SAN JOAQUIN VALLEY																27.7	23.9	22.5	24.1	19.7	
SOUTH CENTRAL COAST																13.8	10.3	14.9	14.6	14.2	
SOUTH COAST																31.0	28.3	31.0	27.4	24.8	

Table B-20

Carbon Monoxide

Peak 8-Hour Indicator (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
GREAT BASIN VALLEYS	7.3	7.2	7.0	5.9	5.8	5.7	5.6	3.5	5.0	4.7	4.6	4.0	4.0	3.9	2.9	2.5	2.5	2.5			
LAKE COUNTY					1.9	2.9	2.9														
LAKE TAHOE	16.4	15.5	14.9	13.2	12.6	11.9	11.1	10.2	8.7	8.3	7.8	7.0	5.6	5.0	2.3	2.1	2.0	2.0	1.9	1.9	
MOJAVE DESERT	5.6	5.2	4.9	4.6	5.5	7.7	7.6	6.5	6.2	6.1	5.8	7.4	4.8	4.4	4.4	4.6	4.8	2.0	2.0	2.0	
MOUNTAIN COUNTIES		4.5	4.5		4.1	4.3			2.9	2.9	2.8	2.8	2.7	2.4	5.1	5.4	5.7	2.4	1.6	1.6	4.8
NORTH CENTRAL COAST	2.4	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.3	2.2	2.2	2.0	2.0	2.0	1.6	1.6	1.5	1.4	1.2	
NORTH COAST	5.2	5.2	3.4		4.6	4.6			2.4		3.2	3.4	3.3	3.1	3.6	3.4	3.3	2.6	2.3	2.0	
NORTHEAST PLATEAU																					
SACRAMENTO VALLEY	13.2	14.6	14.4	13.4	14.0	14.7	14.8	12.9	10.7	9.6	9.3	8.5	7.7	7.3	7.0	7.0	7.3	6.0	4.4	4.2	
SALTON SEA	2.5	2.6	2.6	2.5	2.4	2.3	2.3	2.2	2.1	17.4	18.8	17.8	17.4	15.5	15.5	14.8	14.3	12.8	11.5	10.5	
SAN DIEGO	10.6	10.2	10.4	10.2	10.3	10.2	10.0	8.6	7.8	7.7	7.3	7.3	6.3	6.3	5.6	5.3	5.4	5.3	5.0	4.6	
SAN FRANCISCO BAY AREA	13.9	14	13.4	10.7	11.8	12.6	12.5	11.1	9.3	8.1	7.8	7.4	6.5	6.7	6.5	7.1	6.9	6.0	5.5	4.0	
SAN JOAQUIN VALLEY	13.4	13.9	13.9	14.1	13.7	13.9	13.2	11.5	10.0	10.0	10.9	9.9	9.0	8.3	8.5	8.4	6.4	5.3	4.8	4.2	
SOUTH CENTRAL COAST	10.2	9.9	10.1	9.0	8.8	8.2	7.5	6.4	5.5	5.9	6.0	5.8	5.0	4.8	4.5	4.7	3.1	2.7	2.7	2.4	
SOUTH COAST	21.1	21.1	21.7	21.9	22.5	21.9	19.0	17.7	16.5	16.7	15.6	16.1	15.5	15.4	13.7	12.6	11.2	9.4	8.7	8.3	

Table B-21

Carbon Monoxide

Maximum 1-Hour Concentration (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
GREAT BASIN VALLEYS	16.0	11.0	9.0	13.0	12.0	10.0	11.0	11.0	13.0	9.0	10.0	6.0	8.2	6.7	4.2	15.4	3.8				
LAKE COUNTY					3.0	6.0	7.0														
LAKE TAHOE	23.0	20.0	19.0	19.0	17.0	18.0	14.0	15.0	13.0	11.6	9.5	10.4	7.7	7.5	3.2	5.4	3.1	3.8	2.4	6.1	
MOJAVE DESERT	12.0	9.0	12.0	11.0	13.0	11.0	10.0	9.0	8.0	9.1	7.5	8.4	5.9	5.4	10.3	6.0	6.1	3.4	3.9	2.9	
MOUNTAIN COUNTIES			6.0	3.0		6.0	5.0	1.0	6.2	10.0	9.3	9.3	4.5	6.6	6.7	4.1	5.0	6.2	3.7	2.5	6.5
NORTH CENTRAL COAST	6.0	4.0	5.0	6.0	5.0	5.0	4.0	4.0	4.0	4.6	3.2	5.5	4.4	3.8	3.8	3.5	3.3	2.3	2.8	5.5	
NORTH COAST	8.0	6.0	4.0	1.0	10.0	9.0		1.0	6.0		5.4	4.8	7.4	4.8	5.2	4.4	4.0	3.1	5.3	2.3	
NORTHEAST PLATEAU					12.0	4.0															
SACRAMENTO VALLEY	17.0	20.0	15.0	17.0	18.0	17.0	15.0	14.0	12.0	10.8	9.8	8.7	9.5	7.9	7.7	10.0	17.2	7.8	8.5	7.3	
SALTON SEA		5.0	5.0	5.0	4.0	6.0	5.0	5.0	5.0	6.0	30.6	32	27.0	24.0	23.5	22.9	19.9	17.4	15.6	11.8	12.6
SAN DIEGO	17.0	16.0	14.0	17.0	17.0	18.0	14.0	14.0	11.4	11.0	9.9	12.4	9.3	10.2	9.9	9.3	8.5	8.5	12.7	6.9	
SAN FRANCISCO BAY AREA	21.0	20.0	17.0	15.0	19.0	18.0	15.0	12.0	14.0	12.0	10.1	8.8	10.7	8.7	9.0	9.8	7.6	7.7	8.6	4.8	
SAN JOAQUIN VALLEY	18.0	21.0	16.0	19.0	23.0	17.0	19.0	13.0	13.0	15.0	12.0	11.0	9.9	10.3	11.9	10.1	16.0	6.1	5.8	4.6	
SOUTH CENTRAL COAST	17.0	18.0	14.0	15.0	11.0	11.0	9.0	12.0	9.0	10.7	8.9	12.6	8.2	8.5	8.2	6.2	8.3	5.7	7.2	4.7	
SOUTH COAST	33.0	27.0	26.0	32.0	31.0	24.0	30.0	28.0	21.0	24.9	16.8	22.5	19.2	17.0	19.0	13.8	11.7	15.8	12.2	10.4	

Table B-22

Maximum 8-Hour Concentration (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	7.4	6.0	6.3	5.0	5.4	4.4	5.0	4.4	4.5	5.4	5.4	3.0	3.4	3.0	2.5	2.5	2.5	1.8		
LAKE COUNTY					2.2	2.6	3.1													
LAKE TAHOE	16.3	12.5	13.0	12.5	11.3	10.1	9.2	9.9	7.5	7.1	6.3	5.1	3.8	4.3	2.4	1.9	1.9	3.0	1.9	4.4
MOJAVE DESERT	5.7	4.6	4.0	5.9	7.1	8.3	7.1	5.4	5.9	5.6	5.1	7.5	4.0	3.6	5.4	4.3	3.3	2.2	2.1	1.7
MOUNTAIN COUNTIES		4.2	2.3		4.6	3.5	0.1	4.5	5.4	5.4	3.4	2.6	1.9	5.5	3.0	1.6	4.3	1.5	1.5	5.7
NORTH CENTRAL COAST	3.3	2.3	2.3	2.4	2.4	2.5	2.5	2.9	2.7	2.1	2.1	2.6	1.8	2.2	1.8	1.4	1.6	1.4	1.1	1.2
NORTH COAST	5.5	3.1	3.0	1.0	4.5	3.5		0.6	2.4		3.2	2.7	3.2	3.5	3.7	2.6	2.3	2.5	2.2	1.8
NORTHEAST PLATEAU					10.4	1.8														
SACRAMENTO VALLEY	13.3	13.9	10.0	12.3	15.9	14.0	12.3	8.6	9.4	8.5	7.4	7.2	7.2	7.1	6.6	6.3	5.3	4.3	4.5	4.1
SALTON SEA	2.6	3.6	2.9	2.1	2.9	2.3	2.5	2.4	2.0	13.1	22.9	22.1	17.8	14.4	17.9	15.5	12.3	11.6	8.8	10.3
SAN DIEGO	13.0	10.4	9.4	10.3	10.5	9.1	7.9	7.9	7.5	7.5	6.3	7.1	5.4	4.8	6.0	5.9	5.1	4.7	10.6	4.1
SAN FRANCISCO BAY AREA	16.1	12.6	10.0	12.8	12.0	11.0	11.0	7.8	7.9	8.8	5.8	7.0	6.1	6.3	6.3	7.0	5.1	5.1	4.4	3.4
SAN JOAQUIN VALLEY	11.0	16.3	12.9	16.5	13.4	11.5	11.4	8.3	9.3	8.9	9.1	7.7	7.5	8.0	7.8	6.6	6.0	4.5	4.1	3.0
SOUTH CENTRAL COAST	10.5	8.6	7.5	7.4	7.4	5.8	6.4	5.9	4.8	6.5	5.8	4.9	4.1	4.6	4.2	4.3	3.4	2.4	3.7	2.6
SOUTH COAST	27.7	19.7	19.6	27.5	21.8	16.8	17.4	18.8	14.6	18.2	13.8	17.5	17.1	13.3	11.2	10.1	7.6	10.1	7.3	6.5

Table B-23

Carbon Monoxide

Days Above State 8-Hour Standard

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LAKE COUNTY					0	0	0													
LAKE TAHOE*	121	96	87	80	67	39	24	13	12	9	1	0	0	0	0	0	0	0	0	
MOJAVE DESERT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MOUNTAIN COUNTIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NORTH CENTRAL COAST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NORTH COAST	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
NORTHEAST PLATEAU			1	0																
SACRAMENTO VALLEY	12	13	5	12	22	14	9	0	2	0	0	0	0	0	0	0	0	0	0	
SALTON SEA	0	0	0	0	0	0	0	0	0	10	17	11	15	12	13	8	6	4	0	
SAN DIEGO	5	2	1	5	6	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
SAN FRANCISCO BAY AREA	24	8	2	4	10	4	5	0	0	0	0	0	0	0	0	0	0	0	0	
SAN JOAQUIN VALLEY	7	13	4	5	24	10	3	0	2	0	1	0	0	0	0	0	0	0	0	
SOUTH CENTRAL COAST	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTH COAST	64	58	50	73	71	50	51	39	29	27	17	26	18	13	11	6	0	1	0	

Table B-24

* Data for Lake Tahoe reflects the number of days above the State 8-Hr. Lake Tahoe Standard of 6 parts per million.

Days Above National 8-Hour Standard

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LAKE COUNTY					0	0	0													
LAKE TAHOE	28	10	12	9	5	5	0	1	0	0	0	0	0	0	0	0	0	0	0	
MOJAVE DESERT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MOUNTAIN COUNTIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NORTH CENTRAL COAST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NORTH COAST	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
NORTHEAST PLATEAU			1	0																
SACRAMENTO VALLEY	12	12	3	9	22	12	6	0	0	0	0	0	0	0	0	0	0	0	0	
SALTON SEA	0	0	0	0	0	0	0	0	0	9	15	9	10	8	11	6	6	3	0	
SAN DIEGO	3	1	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
SAN FRANCISCO BAY AREA	21	8	1	4	9	2	4	0	0	0	0	0	0	0	0	0	0	0	0	
SAN JOAQUIN VALLEY	7	11	4	6	18	9	3	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTH CENTRAL COAST	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTH COAST	54	49	40	65	67	42	41	34	19	19	14	19	13	10	7	3	0	1	0	

Table B-25

Nitrogen Dioxide

Peak 1-Hour Indicator (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004			
GREAT BASIN VALLEYS																							
LAKE COUNTY																							
LAKE TAHOE	0.079	0.073	0.076	0.073	0.074	0.078	0.076	0.078	0.062	0.061	0.062	0.062	0.061	0.060	0.057	0.058	0.068	0.063	0.062	0.062			
MOJAVE DESERT	0.136	0.130	0.134	0.112	0.100	0.181	0.259	0.277	0.289	0.202	0.124	0.119	0.097	0.102	0.105	0.106	0.099	0.096	0.092	0.092			
MOUNTAIN COUNTIES	0.046	0.046																					
NORTH CENTRAL COAST	0.072	0.083	0.083	0.077	0.072	0.071	0.068	0.062	0.064	0.064	0.062	0.059	0.059	0.059	0.054	0.046	0.045	0.046	0.046	0.050			
NORTH COAST												0.054	0.053	0.053	0.053	0.049	0.050	0.054	0.053	0.052	0.042	0.045	0.044
NORTHEAST PLATEAU																							
SACRAMENTO VALLEY	0.109	0.112	0.115	0.123	0.117	0.115	0.122	0.128	0.126	0.115	0.106	0.101	0.095	0.091	0.107	0.097	0.095	0.085	0.089	0.091			
SALTON SEA	0.124	0.085	0.083	0.084	0.089	0.092	0.091	0.088	0.088	0.153	0.182	0.178	0.178	0.150	0.145	0.170	0.161	0.153	0.147	0.128			
SAN DIEGO	0.193	0.193	0.203	0.216	0.233	0.210	0.189	0.169	0.155	0.145	0.129	0.129	0.126	0.116	0.122	0.117	0.126	0.122	0.130	0.119			
SAN FRANCISCO BAY AREA	0.196	0.189	0.188	0.167	0.162	0.156	0.160	0.155	0.141	0.116	0.119	0.114	0.111	0.101	0.108	0.105	0.109	0.100	0.075	0.079			
SAN JOAQUIN VALLEY	0.144	0.148	0.145	0.144	0.151	0.156	0.134	0.132	0.132	0.131	0.127	0.119	0.115	0.100	0.107	0.106	0.109	0.107	0.106	0.097			
SOUTH CENTRAL COAST	0.136	0.132	0.130	0.123	0.119	0.119	0.120	0.114	0.104	0.104	0.112	0.114	0.110	0.097	0.089	0.086	0.083	0.079	0.073	0.069			
SOUTH COAST	0.317	0.303	0.311	0.335	0.322	0.324	0.312	0.311	0.285	0.241	0.229	0.242	0.237	0.202	0.185	0.213	0.216	0.200	0.161	0.150			

Table B-26

Nitrogen Dioxide

Maximum 1-Hour Concentration (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004		
GREAT BASIN VALLEYS																						
LAKE COUNTY																						
LAKE TAHOE	0.080	0.080	0.080	0.070	0.070	0.150	0.060	0.060	0.060	0.057	0.059	0.061	0.051	0.052	0.060	0.086	0.090	0.088	0.059	0.068		
MOJAVE DESERT	0.140	0.150	0.130	0.100	0.120	0.190	0.350	0.240	0.360	0.138	0.140	0.087	0.107	0.196	0.113	0.105	0.102	0.101	0.095	0.103		
MOUNTAIN COUNTIES	0.050	0.040																	0.043	0.019		
NORTH CENTRAL COAST	0.090	0.110	0.070	0.070	0.070	0.060	0.060	0.070	0.070	0.067	0.054	0.060	0.056	0.085	0.054	0.071	0.042	0.049	0.053	0.139		
NORTH COAST					0.030					0.080	0.050	0.079	0.078	0.044	0.061	0.052	0.066	0.042	0.052	0.080	0.053	0.037
NORTHEAST PLATEAU																						
SACRAMENTO VALLEY	0.130	0.120	0.100	0.180	0.130	0.160	0.240	0.190	0.120	0.111	0.099	0.145	0.092	0.101	0.110	0.085	0.172	0.090	0.102	0.146		
SALTON SEA	0.080	0.080	0.080	0.110	0.090	0.090	0.090	0.090	0.090	0.227	0.217	0.164	0.128	0.257	0.286	0.192	0.139	0.138	0.189	0.108		
SAN DIEGO	0.210	0.220	0.260	0.280	0.230	0.180	0.160	0.190	0.130	0.157	0.140	0.124	0.142	0.132	0.172	0.117	0.148	0.126	0.148	0.125		
SAN FRANCISCO BAY AREA	0.190	0.160	0.170	0.160	0.150	0.150	0.150	0.110	0.120	0.107	0.116	0.108	0.118	0.098	0.128	0.114	0.108	0.080	0.081	0.073		
SAN JOAQUIN VALLEY	0.160	0.190	0.150	0.210	0.210	0.160	0.130	0.190	0.160	0.144	0.119	0.110	0.103	0.112	0.108	0.099	0.115	0.107	0.092	0.083		
SOUTH CENTRAL COAST	0.160	0.150	0.150	0.160	0.120	0.160	0.160	0.100	0.110	0.133	0.127	0.110	0.115	0.097	0.099	0.124	0.113	0.064	0.103	0.071		
SOUTH COAST	0.350	0.330	0.420	0.540	0.340	0.280	0.380	0.300	0.260	0.247	0.239	0.250	0.200	0.255	0.307	0.214	0.251	0.262	0.163	0.157		

Table B-27

Maximum Annual Average (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE	0.011	0.010	0.012	0.012		0.012	0.012		0.011	0.012	0.011	0.011	0.011	0.010	0.011	0.011	0.011	0.012	0.010	
MOJAVE DESERT	0.025	0.021	0.016	0.018	0.026	0.019	0.014	0.025	0.020	0.024	0.023	0.021	0.020	0.022	0.024	0.025	0.024	0.025	0.024	
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	0.015	0.014	0.005	0.014	0.014	0.012	0.011	0.012	0.012	0.012		0.011	0.010	0.010	0.005	0.007	0.007	0.006	0.007	
NORTH COAST										0.008	0.009		0.010	0.010	0.010	0.011	0.010	0.010	0.009	
NORTHEAST PLATEAU																				
SACRAMENTO VALLEY	0.021	0.022	0.022	0.025	0.019	0.023	0.024	0.021	0.017	0.022	0.022	0.022	0.019	0.021	0.021	0.019	0.019	0.020	0.015	0.017
SALTON SEA	0.020		0.019	0.022	0.024	0.021	0.021		0.019	0.021	0.021	0.020		0.016	0.018	0.016	0.017	0.016	0.016	0.015
SAN DIEGO	0.032	0.030	0.032	0.035	0.031	0.029	0.029	0.027	0.023	0.024	0.026	0.022	0.024	0.023	0.026	0.024	0.022	0.022	0.021	0.023
SAN FRANCISCO BAY AREA	0.035	0.033	0.031	0.032	0.032	0.030	0.031	0.027	0.027	0.028	0.027	0.025	0.025	0.026	0.025	0.024	0.019	0.018	0.017	
SAN JOAQUIN VALLEY	0.031	0.030	0.030	0.032	0.033	0.031	0.030	0.027	0.024	0.024	0.029	0.029	0.024	0.023	0.027	0.024	0.022	0.024	0.020	0.018
SOUTH CENTRAL COAST	0.030	0.022	0.017	0.024	0.027	0.025	0.024	0.022	0.023	0.022	0.024	0.019	0.020	0.021	0.022	0.020	0.019	0.017	0.015	0.014
SOUTH COAST	0.060	0.061	0.055	0.061	0.057	0.055	0.055	0.051	0.050	0.050	0.046	0.042	0.043	0.043	0.051	0.044	0.041	0.040	0.035	0.033

Table B-28

Oxides of Nitrogen (NO_x)

Maximum 1-Hour Concentration (ppm)**

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS*																				
LAKE COUNTY*																				
LAKE TAHOE	0.240	0.210	0.190	0.220	0.290	0.270	0.190	0.180	0.120	0.139	0.132	0.140	0.109	0.128	0.126	0.190	0.216	0.188	0.280	0.208
MOJAVE DESERT	0.420	0.400	0.400	0.790	0.410	0.500	0.440	0.710	0.440	0.455	0.410	0.423	0.510	0.465	0.585	0.537	0.454	0.469	0.471	0.473
MOUNTAIN COUNTIES	0.080	0.060																0.055	0.051	0.082
NORTH CENTRAL COAST	0.240	0.180	0.230	0.310	0.240	0.220	0.220	0.240	0.210	0.239	0.277	0.295	0.257	0.223	0.238	0.143	0.154	0.164	0.140	0.224
NORTH COAST				0.050				0.210	0.290	0.573										
NORTHEAST PLATEAU*																				
SACRAMENTO VALLEY	0.580	0.470	0.390	0.790	0.788	0.920	0.700	0.770	0.730	0.737	0.571	0.604	0.698	0.618	0.582	0.541	0.648	0.991	0.520	0.392
SALTON SEA	0.270	0.230	0.210	0.210	0.320	0.270	0.230	0.220	0.220	0.917	0.918	0.835	0.677	0.758	0.773	0.822	0.793	0.785	0.656	0.681
SAN DIEGO	0.840	0.930	0.800	0.980	0.780	0.760	0.640	0.660	0.531	0.605	0.506	0.606	0.609	0.486	0.609	0.598	0.632	0.605	0.658	0.657
SAN FRANCISCO BAY AREA***	1.050	0.760	0.720	0.750	0.870	0.850	0.760	0.630	0.810	0.625	0.548	0.831	0.593	0.544	0.586	0.560	0.519	0.420	0.398	0.424
SAN JOAQUIN VALLEY	0.700	1.060	0.710	0.870	0.870	0.840	0.760	0.650	0.640	0.702	0.600	0.659	0.560	0.671	0.700	0.556	0.652	0.438	0.407	0.407
SOUTH CENTRAL COAST	0.790	0.700	0.810	0.680	0.600	0.600	0.630	0.570	0.470	0.561	0.575	0.823	0.454	0.536	0.550	0.430	0.276	0.314	0.395	0.273
SOUTH COAST	1.510	1.170	1.080	1.280	1.200	0.990	1.200	1.420	1.060	1.108	0.850	1.037	0.910	0.889	0.899	0.855	0.750	0.892	0.738	0.850

* No NO_x data available

** All available data were used for the annual maximum 1-hour NO_x.

*** SFB NO_x for 1994-2003 was calculated using hourly NO + NO₂

Table B-29

Maximum Annual Average (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS*																				
LAKE COUNTY*																				
LAKE TAHOE	0.021	0.021	0.022	0.021		0.022	0.022			0.018	0.016	0.015	0.015	0.012	0.014	0.015	0.015	0.015	0.013	
MOJAVE DESERT	0.047	0.042	0.027	0.044	0.049	0.022	0.032	0.046	0.037	0.048	0.047	0.043	0.037	0.047	0.055	0.051	0.049	0.053	0.050	0.049
MOUNTAIN COUNTIES**																				
NORTH CENTRAL COAST	0.023	0.020	0.006	0.022	0.021	0.023	0.022	0.021	0.020	0.019		0.017	0.017	0.015	0.008	0.011		0.011	0.010	0.010
NORTH COAST*																				
NORTHEAST PLATEAU*																				
SACRAMENTO VALLEY	0.047	0.044	0.039	0.045	0.043	0.056	0.055	0.042	0.029	0.047	0.043	0.045	0.042	0.043	0.047	0.045	0.038	0.042	0.027	0.033
SALTON SEA	0.027		0.023	0.028	0.030	0.026	0.026		0.025	0.026	0.033	0.028		0.021	0.037	0.021	0.022	0.033	0.028	0.03
SAN DIEGO	0.056	0.058	0.068	0.077	0.066	0.061	0.058	0.058	0.050	0.053	0.046	0.047	0.050	0.045	0.055	0.049	0.044	0.041	0.041	
SAN FRANCISCO BAY AREA***	0.095	0.079	0.066	0.072	0.083	0.075		0.065	0.068	0.066	0.056	0.054	0.055	0.052	0.057	0.054	0.051	0.046	0.035	0.032
SAN JOAQUIN VALLEY	0.072	0.066	0.080	0.074	0.078	0.078	0.068	0.058	0.047	0.049	0.050	0.052	0.045	0.044	0.051	0.049	0.043	0.045	0.040	0.035
SOUTH CENTRAL COAST	0.071	0.063	0.028	0.040	0.061	0.039	0.051	0.052	0.049	0.052	0.041	0.042	0.043	0.045	0.048	0.034	0.018	0.027	0.025	0.022
SOUTH COAST	0.133	0.130	0.118	0.132	0.137	0.121	0.118	0.121	0.106	0.129	0.108	0.106	0.127	0.119	0.133	0.115	0.102	0.098	0.089	0.081

* No NO_x data available

** No Valid Annual Averages

*** SFB NO_x for 1994-2003 was calculated using hourly NO + NO₂

Representative Days: The data collected must be representative according to the following definition. There must be no more than two missing hours in any of the three consecutive eight hour periods within a day. For an entire day, no more than two consecutive hours can be missed. Therefore, for an entire day, if there were three consecutive hours missed, the day would be invalidated. Representative Days were used for all years except 1994-2003.

Data Representativeness: For representative statistics computed from all individual values, such as the mean of all hours, 75 percent of the values in the respective period are required. Data Representativeness of 75% was applied to daily (94-03), monthly, and annual values.

Table B-30

Sulfur Dioxide

Peak 1-Hour Indicator (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE																				
MOJAVE DESERT	0.04	0.03	0.03	0.07	0.06	0.06	0.04	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.03	0.04	0.05	0.04	0.03	0.01	0.01	0.01	0.02	0.03	0.03	
NORTH COAST																				
NORTHEAST PLATEAU																				
SACRAMENTO VALLEY	0.03	0.03		0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
SALTON SEA																				
SAN DIEGO	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.05	0.04	
SAN FRANCISCO BAY AREA	0.07	0.08	0.08	0.07	0.06	0.06	0.05	0.05	0.04	0.05	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.05	0.04	
SAN JOAQUIN VALLEY	0.09	0.09	0.08	0.07	0.06	0.06	0.04	0.04	0.03	0.02	0.02	0.03	0.03		0.01	0.02	0.02			
SOUTH CENTRAL COAST	0.34	0.32	0.32	0.25	0.16	0.16	0.14	0.13	0.13	0.03	0.16	0.17	0.16	0.16	0.14	0.14	0.14	0.16	0.14	
SOUTH COAST	0.10	0.09	0.07	0.07	0.06	0.06	0.06	0.11	0.10	0.10	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.04	0.03	

Table B-31

Sulfur Dioxide

Maximum 24-Hour Concentration (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE																				
MOJAVE DESERT	0.01	0.01	0.00	0.02	0.03	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	
NORTH COAST					0.01			0.01	0.00	0.00										
NORTHEAST PLATEAU																				
SACRAMENTO VALLEY	0.01	0.01		0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.00	
SALTON SEA											0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00
SAN DIEGO	0.02	0.03	0.04	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01	
SAN FRANCISCO BAY AREA	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.03	0.02	0.02	0.01	
SAN JOAQUIN VALLEY	0.05	0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00	
SOUTH CENTRAL COAST	0.07	0.06	0.04	0.04	0.02	0.09	0.02	0.02	0.05	0.01	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.02	
SOUTH COAST	0.04	0.04	0.02	0.04	0.02	0.04	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.04	0.02	0.02	0.01	

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Maximum Annual Average (ppm)

AIR BASIN	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GREAT BASIN VALLEYS																				
LAKE COUNTY																				
LAKE TAHOE																				
MOJAVE DESERT	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MOUNTAIN COUNTIES																				
NORTH CENTRAL COAST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NORTH COAST					0.00			0.00	0.00	0.00										
NORTHEAST PLATEAU																				
SACRAMENTO VALLEY	0.00	0.00		0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SALTON SEA										0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SAN DIEGO	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
SAN FRANCISCO BAY AREA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SAN JOAQUIN VALLEY	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SOUTH CENTRAL COAST	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SOUTH COAST	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	

Table B-33

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